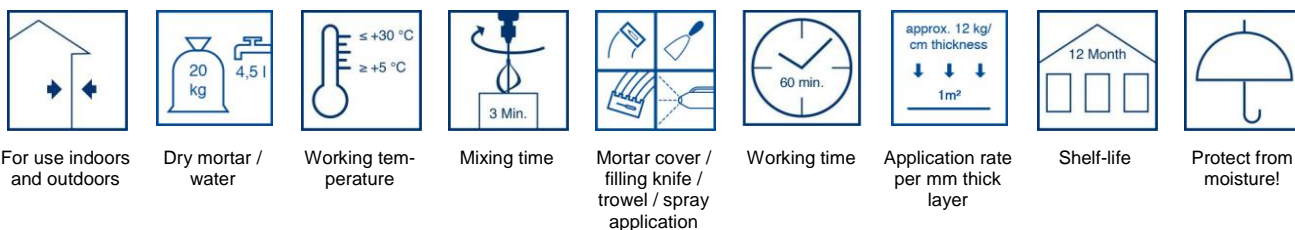


Technical Data Sheet
Art. No. 0420

Renovation Render

Restoration render



Range of use

- Contamination by salts
- Repair, renovation and restoration of damp, salt loaded masonry work
- For substrates with low strength and low load bearing capacity

Property profile

- Enhanced compression strength
- Permeable to water vapour
- pore hydrophobic
- Can be applied in one layer up to 30 mm!
- Can be applied by machine

Possible system products

- Preparatory Mortar (0400)
- Preparatory Mortar Rapid (0406)
- Undercoat Render (0401)
- Fine Render (0408, 0524)
- Fine Filler (0409)
- Restoration Render Paint (3080, 3081)
- Remmers waterproofing grouts

Characteristic data of the product

Colour:	gray
Bulk density:	approx. 1.35 kg/dm ³
Compressive strength:	CS II
Water penetration depth:	< 5 mm
Reaction to fire (DIN EN 998):	Euroclass A1

The values above represent typical characteristic data of the product and are not to be understood as product specifications.

Preparation

Requirements of the substrate

The substrate must be load-bearing, clean and dust-free.

Preparation works

Thoroughly remove old and damaged renders, coats of paint and other coatings at least 80 cm above the damaged zone; chase out friable joints 2 cm deep. Pre-wet absorbent substrates until the surface is matt damp (but not wet).

Substrate: absorbent with low compression strength

Apply the product as bonding layer covering > 50 % of the surface. In alternative a scratch coat of the product can be applied as contact layer.

Substrate: weekly absorbent

Apply Undercoat Render in nodules as bonding layer covering the whole surface. In alternative a scratch coat of the product can be applied as contact layer.

Substrate: mineral waterproofing grout

Apply Undercoat Render in nodules wet-on-wet on the last grout layer as bonding layer covering.

Mixing

Mixing

Pour water into a clean container and add the dry mortar.

Mix thoroughly for 3 minutes with a suitable mixer until a homogeneous consistence proper for working has

been achieved. If needed, add some water.

If the mixing is done with a continuous mixer the parameters must be determined on site.

Directions

Working conditions

Temperature of the air, substrate and building material:
+5 °C - +30 °C

Low temperatures lengthen, high temperatures reduce working and setting time.

Working time(+20 °C)

Ca. 60 minutes

Application in one layer

Apply with a suitable tool or machine.

Application in two layers

After it has sufficiently dried out (approx. 12-24 hours), coarsen the first layer with a render comb. Alternatively the entire thickness required can be applied in two coats wet-on-wet by laying a reinforcement fabric (iQ-TEX 6,5/100, Art. No. 0236) between them. Level the surface with a long float. After it has stiffened, the surface can be worked over with a sponge float. sponge float can be prepared for the application of a fine render with a grated scrape.

Notes on application

Initially set mortar cannot be made workable again by adding water or fresh mortar.

On critical (very uneven and/or rugged) substrates we advice to insert a reinforcement fabric in the upper third of the render layer.

Protect the mortar surface for at least 4 days from too fast dehydration and weather influences (sun, wind, rain, drafts and frost).

The surface should be free of cracks hairline cracks/shrinkage cracks are harmless and are not to be faulted since they do not compromise the technical properties of the product.

To guarantee successful restoration, it is necessary to ensure appropriate drying conditions, as required by the WTA Code of Practice 2-9-04/D.

Notes

May contain traces of pyrite (iron sulphide).

Do not use on gypsum substrates. The characteristic data given for this product were determined under laboratory conditions at 20 °C and 65 % relative humidity.

Mixing water must be of potable water quality.

Low in chromates in accordance with Directive 2003/53/CE.

Always set up one or more trial surfaces!

Application rate

Approx. 12 kg/m²/cm layer

Tools, cleaning

Mixing tools, trowel, float, smoothing float, wood float, plastic float. For information on the application by machine please see the Remmers Machine Manual.

Clean tools with water while the material is still fresh.

Packaging / Colours

20 kg paper bags

Storage / Shelf-life:

At least 12 months stored dry in closed containers

Safety, ecology, disposal

Further information on safety when transporting, storing and handling as well as disposal and ecology is found in the latest Safety Data Sheet.

CE marking



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GBI P55

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Renovation Render

Designed rendering/plastering mortar used on moist masonry walls containing water soluble salts

Reaction to fire:	class A1
Adhesion:	≥ 0,08 N/mm ² (fracture pattern B)
Water absorption:	≥ 0,3 kg/m ² a. 24 h
Water vapour permeability:	μ ≤ 15
Thermal conductivity λ _{10 dry}	≤ 0,4 W / (m K) for P=50%
Durability (resistance to frost)	Resistant, if used acc. to TDS

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general of sale are valid. With the publication of this Technical Information Sheet all previous editions are no longer valid.



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